FlexNet Manager Suite 2016 R1 SP1

Release Notes

Updated January 2017 version 1.4

The latest release of the published Release Notes is available from the Flexera Software Customer Community (login required).

Introduction

FlexNet Manager Suite provides software asset, hardware asset, and contract management for enterprises across over 15,000 publishers and more than 182,000 applications. It reports detailed information for installed software, application usage, and purchases, and reconciles these to provide a license position. It inventories virtual environments and Oracle databases, imports inventory from Microsoft System Center Configuration Manager (SCCM) and other inventory tools through configurable adapters, and seamlessly integrates with Enterprise Resource Planning (ERP), Human Resources (HR), Active Directory (AD) and Purchase Order (PO) systems. With its built-in library of more than 1,000,000 Stock Keeping Unit numbers (SKUs), for automated reconciliation of purchases with inventory, and support for the latest license models, FlexNet Manager Suite is used by enterprises to gain control of their software estate and optimize their software spend.

These release notes contain information about FlexNet Manager Suite, covering:

- FlexNet Manager Suite
- FlexNet Manager for IBM
- FlexNet Manager for Microsoft
- FlexNet Manager for Oracle
- FlexNet Manager for SAP Applications
- FlexNet Manager for Symantec
- FlexNet Manager for VMware

The following products in the suite have their own separate release notes:

- FlexNet Manager for Engineering Applications
- FlexNet Manager for Cloud Infrastructure
- Workflow Manager

New Features

Improved HTTPS Support on UNIX-like Platforms

Communication between the FlexNet inventory agent and inventory beacons may be secured with the HTTPS protocol. For typical (maximum) security, this requires the exchange of server certificates, and checking by the FlexNet inventory agent that the server certificate has not been revoked by the Certificate Authority (CA).

On Windows platforms, certificate checking is determined by Group Policy. In previous releases for FlexNet inventory agent running on UNIX-like platforms, revocation checking was supported using Certificate Revocation Lists (CRLs). This can be time-consuming, since each check can require downloading the entire listing of revoked certificates.

A newer technology is to use OCSP revocation checking. The Online Certificate Status Protocol allows a much faster request to the OCSP server for the revocation status of a single certificate.

This release allows administrators to prioritize OCSP and CRL checking for UNIX-like platforms. It also allows failover from one system to the other with a simple preference setting for the FlexNet inventory agent.

Vulnerability Intelligence Manager Integration Starts with Installation Exports

This release introduces a new command-line executable for on-premises customers* only, increasing the integration between FlexNet Manager Suite and Vulnerability Intelligence Manager (VIM) from Flexera Software. The **FNMS-VIM.exe** tool can be installed on your (web) application server for FlexNet Manager Suite, and scheduled to export installation data to a remote instance of Vulnerability Intelligence Manager. Exported data includes:

- All applications identified in your enterprise, along with installation counts. This includes applications recognized automatically through the Application Recognition Library, and 'local' records created manually.
- All unmatched installer evidence that is not yet linked to any application record, along with installation counts for each. (Other kinds of evidence, such as file or WMI evidence, are not included.)

Within Vulnerability Intelligence Manager, the data is massaged into software asset lists, allowing assessment and notification about possible vulnerabilities in all applications present in your enterprise.

* Customers using one of the cloud (SaaS) instances of FlexNet Manager Suite may ask the Support team to request the equivalent data export on their behalf.

Multi-Factor Authentication

This feature applies only to a single tenant, on-premises implementation.

As security requirements in organizations are increasing, applications used within these organizations are expected to meet minimum requirements for security, including authentication. Many security conscious organizations are moving beyond traditional user name and password authentication within every tool they use, to a standard "single-sign-on" approach, where users use a common set of credentials to log into all the tools used within the organization. FlexNet Manager Suite previously used Integrated Windows Authentication and has been enhanced to use multi-factor authentication in an on-premises environment.

FlexNet Manager Suite 2016 R1 SP1 supports the Security Assertion Markup Language 2.0 (SAML 2.0) standard and will integrate with any SAML 2.0 compliant identity providers.

If you are upgrading from an earlier version, and your implementation includes FlexNet Report Designer, notice that there are PowerShell scripts that must be run as part of your upgrade. Please see the *Upgrade Guide* chapter on Report Designer for details.

Support for SharePoint 2010

FlexNet Manager Suite now supports CALs for Microsoft SharePoint 2010.

Support for New XenApp Versions

The Flexera Software XenApp server adapter now supports XenApp versions 7.9, 7.11, and 7.12. Please see the *XenApp Server Adapter* chapter in the *FlexNet Manager Suite Adapters Reference* guide, accessible from the title page of the online help.

Changes from Previous Releases

Enhanced Consumption Options in License Properties

Several improvements have been made to the **Consumption** tab of license properties.

The **Allocated** property, previously a checkbox, has been replaced by the **Allocation type** column with four possible values (controlled by the **Allocate** and **Deallocate** buttons):

- `Allocated`
- `Unallocated`
- `Awaiting inventory`
- `Permanent.`

The **Exemption reason** column can no longer be edited in the grid, but can still be modified using the **Exemption reason** drop-down button for a single record or in bulk.

The **Allocated points** column has been renamed to **Overridden consumption**.

The **Calculated consumption** column has been added to the grid on most device and point-based licenses. It represents the consumption as calculated by FlexNet Manager Suite. The figure used for consumption can be entered manually in the **Overridden consumption** column, or be set to zero using an exemption reason.

Reorganized Compliance Tab in License Properties

The **Compliance** tab has been reorganized to clearly display how compliance is calculated. The difference between entitlements purchased and consumed is represented by the **Available entitlements** property. This value is highlighted in green if the available entitlements are equal to or greater than the consumed entitlements, and red if there are less entitlements available than have been consumed.

Note that discrepancies may temporarily exist between the available entitlements property and the overall license compliance status (displayed in the card on the same page and in **Compliance status** columns of management views and reports). This is because available entitlements are dynamically calculated as soon as you make any changes, but the overall compliance status and associated results are set by the license consumption calculation. Running that calculation will synchronise these values.

The **Calculated consumption** and **Overridden consumption** values have been added to the **Consumption details** section of the **Compliance** tab on the properties of certain license types. See [Enhanced Consumption Options on Licenses](#) above for more details.

Open Properties Pages from Custom Reports

Improved Drill-Through on Custom Reports

The drill-through capability available in custom reports (reports created using the Report Builder) has been improved. The drill-through is now available on a fixed column for each object, rather than being assigned by the Report Builder. A link to the properties page for an object is always available on the **Name** column of each object (when a name is less relevant, some properties have other key fields, such

as the **Contract number** for contracts). If this column is not present in the report, drill-through will be not be available.

Multi-edit of Properties from Custom Reports

The properties page of an object can be opened from reports to edit multiple objects at once, in multi-edit mode, or to edit a single item. A single item can be selected using the check box alongside a row in the report results of a custom report. Objects that support multi-edit can be edited in bulk by selecting multiple rows.

Objects that support multi-edit include: assets, contracts, inventory devices, licenses and users.

License Allocation via User Properties

The **Licenses** tab of user properties, previously the **Software** tab, lists the licenses linked to the user. In previous releases, this tab was read-only. User-based licenses can now be added (or removed), effectively allocating a license entitlement to the user (or conversely, deallocating the entitlement from the user).

These updates align the **Licenses** tabs across license, device and user properties.

- A drop-down column has been added called **Allocation type**, which enables the operator to set the type of allocation (similar to the existing behaviour on the device properties pages)
- A license search fly-down has been added, allowing license entitlements to be allocated to users from the user properties.

Changes to FlexNet Inventory Agent for Oracle Data Collection

The data collected via Oracle LMS scripting in the FlexNet inventory agent has been extended to collect hardware data on systems running Oracle databases (as now required by Oracle). Following these changes, the FlexNet inventory agent now supports Oracle LMS script version 16.1.

Ignored Applications Count Towards License Consumption

The status of an application may be set to `Ignored`, meaning that this application is not part of the enterprise's Software Asset Management program. However, these ignored applications have always been counted in license consumption calculations (because the administrative convenience of ignoring the application does not affect any legal responsibility to license it). The online help has been restored to accurately reflect this.

Inventory Device Records Created with FlexNet Business Importer Now Count Toward Flexera License

Until this release, FlexNet Manager Suite automatically created placeholder records for inventory devices in two special cases:

- Where an operator creates an asset record that is not attached to an existing inventory device, when the placeholder was required for data integrity (this case remains unchanged at this release)

- When a new inventory device record, or unattached asset record, was created using the FlexNet Business Importer (which could then further update these placeholder inventory device records). This was an error, because these placeholder records were not generally visible in the web interface (except that they were visible for license allocation), so that it was very difficult to confirm that the record had been created at all.

In both cases, the placeholder was automatically converted to a real inventory device record as soon as matching data appeared in imported inventory. Significantly, in the meantime, these placeholder records did not count as consumption of the Flexera license for FlexNet Manager Suite (where entitlements are based on the number of inventory devices under management).

With FlexNet Manager Suite 2016 R1 SP1, the following changes have been made to the FlexNet Business Importer:

- FlexNet Business Importer can no longer make any changes to a placeholder inventory device record, including (but not limited to) status changes.
- When FlexNet Business Importer creates a new inventory device record, it is now a normal inventory device with a **Status** property of **Active**. As such, this device immediately counts towards consumption of the Flexera license for FlexNet Manager Suite.
- When FlexNet Business Importer creates an unattached asset record, the placeholder inventory device is automatically created as usual; but this record is not available either in the web interface or for manipulation by FlexNet Business Importer. As always, when the placeholder is matched by incoming inventory, it is automatically converted to a normal inventory device, and displayed in the web interface as usual.

This change is tracked in resolved issue FNMS-39108.

License Agreement

If your company has purchased a license and signed a software license agreement with Flexera Software or an authorized Flexera Software reseller, the terms and conditions of that agreement govern all use of this software. Otherwise, use of this software, on either an evaluation or a fully-paid license basis, is subject to the terms and conditions of the FlexNet Manager "click-through" End User License Agreement, which can be found in the downloaded installation package.

If you do not agree with the terms of the applicable software license agreement, you may not install FlexNet Manager Suite onto any of your computers or, if already installed, you must remove it from all computers on which it is installed. You must also return or destroy all copies of the software in your possession.

License Compatibility

Cloud customers' licenses will be updated automatically.

On-premises customers should request a new license key from support@flexerasoftware.com. Once the license has been created, it will be emailed to the requestor, and a copy stored in the Product and License Center. Note that a new Report Designer license is also required for this release.

Installation and Upgrade Procedures

This FlexNet Manager Suite 2016 R1 SP1 release contains all installation media required for a full installation of this product. It does not require the previous installation of FlexNet Manager Suite to be present.

Due to the scale of changes contained in this release, a full installation is required, which includes loading the latest published Application Recognition Library.

There are four documents that provide instructions for installing and upgrading to FlexNet Manager Suite 2016 R1 SP1.

- "Installing FlexNet Manager Suite 2016 R1 SP1 On Premises". This includes the option of installing FlexNet Report Designer 2016 R1 SP1.
- "Installing FlexNet Manager Suite 2016 R1 SP1 for a Managed Service".
- "Upgrading FlexNet Manager Suite from 2014 Rx to 2016 R1 SP1 On Premises". This is designed for upgrades from FlexNet Manager Platform, version 2014 or later.
- "Migrating to FlexNet Manager Suite 2016 R1 SP1 On Premises". This covers migration from FlexNet Manager Platform 9.2 to FlexNet Manager Suite 2016 R1 SP1. Earlier versions of FlexNet Manager Platform will need to be upgraded to 9.2 before starting this migration.

These are contained in the **Installation Documentation for FlexNet Manager Suite 2016 R1 SP1** archive that is available from the Product and License Center and the Customer Community Documentation site. They are also available through the title page of online help for on-premises implementations.

Resolved Issues

The following issues have been resolved in **FlexNet Manager Suite 2016 R1 SP1** release since the release of FlexNet Manager Suite 2016 R1.
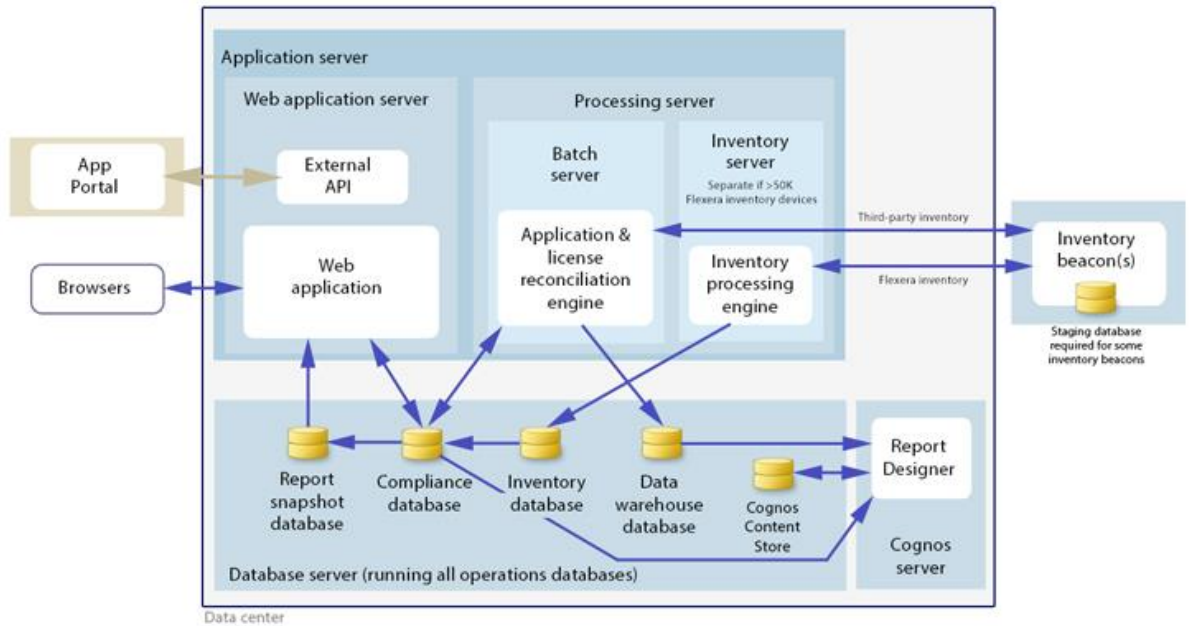
Issue number	Summary
FNMS-10713	The Allocated Points column in the Computers Tab defaults to zero when allocating computers
FNMS-24437	Validation on a read-only field prevents saving an unrelated change when an 'out of range' value has been loaded into the field from the database.
FNMS-26286	FNMS license operations may fail on a FIPS hardened OS
FNMS-26535	A red bar error occurs when expanding a grouped row in the Device Assets page
FNMS-32062	Compliance Trend report overlaps other components if multiple licenses are selected
FNMS-32748	SAP license position details fail to load when the license reconciliation was initiated from a web browser with the language preference set to French.
FNMS-35887	A Microsoft User CAL license displays allocations from other User-based licenses

FNMS-35896	Maintenance check box cannot be unchecked after saving the Purchase from a SKU.
FNMS-35898	Allocations may generate inaccurate consumption when a license is defined as a bundle.
FNMS-35905	The SCCM adapter may fail when used with an SCCM server that uses SQL Server 2000
FNMS-35992	An inventory date import may take a very long time during the MatchAccessingDevice step.
FNMS-36032	ILMT import re-creates licenses that have been intentionally deleted.
FNMS-36041	Some columns are blank when exporting from the Consumption tab of a license
FNMS-36120	SAP inventory import fails when there are user records with duplicated user name in SAP system inventory file
FNMS-36148	Deleting an inventory device may fail when a license is allocated but the software is not installed on the device.
FNMS-36232	Business Import package from child beacon is not processed until the next import process
FNMS-36839	The calculation of the availability of Oracle processor licenses, during license reconciliation, can be further optimized.
FNMS-36940	When exporting a large data set, IIS restart generates the "This site cannot be reached" error
FNMS-37703	Poor UI Performance on "All Discovered Devices" when the Site column is added.
FNMS-37763	Documentation does not correctly explain how applications consume licenses when set to 'Ignored'.
FNMS-37957	The ARL cleanup task does not execute when there is constant system load, eventually blocking all imports.
FNMS-39108	Business Importer can create or update placeholders for inventory devices

System Requirements

The system requirements are based on typical implementations in the range of 10,000 to 200,000 devices. For larger implementations, please contact the Flexera Software Global Consulting Services team through your account manager for assistance in the implementation design and deployment.

The following diagram shows the structure of a typical implementation:

Please consult the "Installing FlexNet Manager Suite 2016 R1 On Premises" guide for recommendations on how many servers are appropriate for your implementation.

See the Knowledge Base article [FlexNet Manager for SAP Applications sizing guidelines](#) for information on sizing an implementation that uses only SAP-related functionality.

Network Requirements

Network

- Internet Protocol version 4

Hardware Requirements

Application server

- **Processors:** 4 cores, with up to 8 cores if more than 100 operators
- **Memory:** 8GB
- **System drive**: 40GB

Database server

- **Processors:** 4 cores per 100 operators
- **Memory available to SQL Server:** 16GB per 50,000 devices
- **System drive**: 40GB
- **Data drives**: (typical figures based on "simple" database recovery model)
    - o **Compliance database data**: Per 10,000 devices: 25GB in first year + 15GB growth per year
    - o **Compliance database logs**: 20GB per 10,000 devices
    - o **Inventory database data**: 20GB per 10,000 devices with FlexNet Inventory
    - o **Inventory database logs**: 10GB per 10,000 devices with FlexNet Inventory
    - o **Report snapshot database data**: 10GB
    - o **Report snapshot database logs**: 10GB
    - o **Data warehouse database data**: 20GB (based on 1,000 licenses)

- Data warehouse database logs: 20GB
- tempdb data: 5GB per 10,000 devices
- tempdb logs: 1GB per 10,000 devices
- Cognos content store data + logs: 1GB

Total: 60GB + 80GB per 10,000 devices
Annual growth rate: 15GB per 10,000 devices

FlexNet Designer (Cognos) Server

- **Processors:** 4 cores
- **Memory:** 16GB+ recommended
- **System drive**: 100GB

FlexNet Beacon

- **Memory**: 1GB minimum, 2GB or higher recommended
- **Minimum free disk space**: 1GB per 10,000 devices

FlexNet Inventory Agent

- **Memory**: 512MB minimum, 2GB or higher recommended
- **Minimum free disk space**: 25MB installation + 100MB workspace

Pre-Requisite Software

The table below describes the supported operating systems and software pre-requisites of FlexNet Manager Suite 2016 R1 SP1 at the time of release. Unless otherwise noted, support for a particular release includes support for all official service packs issued against the same release.

Component	Operating system	Pre-requisite software
Application server	• Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1-SP2 • Windows Server 2008 x64 SP1-SP2	• .NET Framework 4.5.x • Internet Explorer 10.0 to 11.0 • Microsoft Internet Information Services 7.0 to 8.5 • Microsoft Message Queuing (MSMQ) • Microsoft Access Database Engine (32 bit) • SQL Server features: Client Tools Connectivity, Management Tools
Database Server (including Cognos Database Server)	• Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2	• SQL Server 2014 with compatibility level set to *SQL Server 2012* (110) • SQL Server 2012 • SQL Server 2008 R2 • SQL Server 2008 • SQL Server Client Tools, of the same version Notes: 1. Multi-tenant installations require the Enterprise Edition of SQL Server. Single-tenant installations can use any edition of SQL Server. 2. FlexNet Report Designer (Cognos) database should be run with compatibility level set to SQL Server 2012 (110).
FlexNet Report Designer /Cognos server	• Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2	• .NET Framework 4.5.x • Registration of ASP.NET C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet_regiis.exe -i) Notes: 1. When FlexNet Report Designer is installed on a server other than the database server running the content store database, Microsoft SQL Server Native Client must be installed on the server hosting FlexNet Report Designer. 2. Cognos server is not supported in ***Multi-tenant*** installations.
Admin module transport for FlexNet Manager for	• SAP Basis release between 7.0 and 7.5	• The SAP GUI matching the SAP release must be installed • ActiveX must be installed

Component	Operating system	Pre-requisite software
SAP Applications		
Satellite transport for FlexNet Manager for SAP Applications	• SAP Basis release between 4.6C and 7.5	
Web browser	• Microsoft Internet Explorer 10 - 11 • Microsoft Edge for Windows • Google Chrome 46 - 52 • Mozilla Firefox 45 - 51 • Apple Safari 7 - 10 Some Report Designer menu options are not available in the Chrome browser. For further information refer to this IBM Knowledge Center article. Support for future web browser releases cannot be verified; however there are no anticipated issues for future releases. A minimum screen resolution of 1024 horizontal pixels is required.	• Report Designer will only support the 'Cognos Workspace' when using Safari. Other workspaces are not supported.
FlexNet inventory agent	• Windows Server 2016 • Windows Server 2012 R2 SP1 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 Server Core • Windows Server 2008 R2 x64 • Windows Server 2008 Server Core • Windows Server 2008 Server Core • Windows Server 2008 x64 Server Core • Windows Server 2008 x64 • Windows Server 2003 R2 • Windows Server 2003 R2 x64 • Windows Server 2003 • Windows Server 2003 x64 • Windows XP Professional • Windows XP Professional x64 • Windows XP Home • Windows Vista • Windows Vista x64 • Windows 7 • Windows 7 x64 • Windows 8 • Windows 8 x64 • Windows 10	

Component	Operating system	Pre-requisite software
	- Windows 10 x64 - Ubuntu 12 - 16 (x86-64 only) - Debian 6 – 8.6 (x86-64 only) - Red Hat Linux 8 and 9 (x86-64 only) - Red Hat Enterprise Linux 3, 4, 5, 6, 7 (x86-64 only) - CentOS 4 – 7 (x86-64 only) - Fedora 6 – 11 and 18 – 25 (x86-64 only) - Oracle Linux 4.5 – 7.0 (x86-64 only) - SuSE Professional 12, 13, and 42.1 (x86-64 only) - SuSE Enterprise Server 11 and 12 (x86-64 only) - Solaris 9, 10, 11 (x86-64), Zones for versions 10 & 11 - Solaris 8, 9, 10, 11 (SPARC), Zones for versions 10 & 11 - Mac OS X 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12 - AIX 5.2, 5.3, 6.1, 7.1, LPARs - HP-UX 11.00, 11i, 11i v2, 11i v3, vPars/nPars	
FlexNet Beacon	- Windows Server 2016 - Windows Server 2012 R2 - Windows Server 2012 - Windows Server 2008 R2 x64 - Windows Server 2008 - Windows Server 2008 x64 - Windows 7 - Windows 7 x64 - Windows 8 - Windows 8 x64 - Windows 10 - Windows 10 x64	.NET Framework 4.5.x including ASP.NET - Any supported web browser - Oracle OLE DB Provider (32 bit), version 10.2.0.3 or later (for Oracle Database inventory) - IBM OLE DB Provider (32 or 64 bit) (for connections to import data from DB2 databases). Whether the driver is 32 or 64 bit is determined by the operating system, for 64 bit operating systems the 64 bit drivers are required. - PowerShell 3.0+ - The following are required for Office 365 64-bit server operating system .NET Framework 4.5.2 - Microsoft Online Services Sign-in Assistant (64-bit version) - Windows Azure Active Directory PowerShell Module - Skype for Business Online PowerShell Module

Compatibility with Other Products

This section describes the compatibility of FlexNet Manager Suite 2016 R1 SP1 with other Flexera Software products at the time of release. Please refer to knowledge base article Supported

Configurations for [FlexNet Manager Suite 2016 R1 SP1](#) for the latest configuration information about this release, which may be more recent than the information below.

Installation on the same server

The following table lists the supported versions of components that can be installed on the same server as a FlexNet Manager Suite 2016 R1 SP1 application server.

Component	Version that can be installed on the same server as FlexNet Manager Suite 2016 R1 SP1
FlexNet inventory agent	2016 R1 SP1
FlexNet Beacon	2016 R1 SP1
FlexNet Report Designer	2016 R1 SP1

Integration with other products

FlexNet Manager Suite integrates with the following products & components. This table details the currently supported versions:

Product / component	Versions that can be imported from
BladeLogic Client Automation (Marimba)	8.2
BMC Atrium CMDB	8.1 together with Atrium Integrator version 8.1
BMC Discovery (ADDM)	8.3, 9.0, 10.0, 10.1, 10.2, 11.0
BMC Remedy ITSM Applications	7.6.04 SP4
Citrix XenApp EdgeSight	5.4, 7.6 (requires a Platinum license)
Citrix XenApp Server	6.0, 6.5, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12
Citrix XenDesktop	5.6, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12
Deployment Manager / Flexera Inventory Manager	8.4, 8.5, 8.6, 9.0, 9.1, 9.2
FlexNet Manager for Engineering Applications	14, 15.1, 15.2, 15.3, 15.4, 15.5
HP Discovery and Dependency Mapping Inventory (DDMI)	9.10, 9.30
HPE Universal Discovery (HP-UD)	10.10, 10.11 *(Does not include HPE-UD for Oracle LMS)*
Hyper-V	Running on

Product / component	Versions that can be imported from
	• Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 Server Core • Windows Server 2008 R2 x64 • Windows Server 2008 x64 Server Core • Windows Server 2008 x64
IBM BigFix (previously Tivoli Endpoint Manager)	9.5
IBM License Metric Tool (ILMT)	7.2, 7.5, 9.0, 9.1, 9.2.4 (when running on an IBM DB2 database)
IBM Passport Advantage	from November 2014
IBM Software Usage Analysis (SUA)	9.0, 9.1 (when running on an IBM DB2 database)
Microsoft App-V Integration Server	4.6, 5.0, 5.1
Microsoft Exchange ActiveSync	2007, 2010
Microsoft SMS/SCCM	2003, 2007, 2012, 2012 R2, 1511, 1602, 1606, 1610
Oracle Database	8i, 9i, 10g, 11g, 11g Release 2, 12c
Oracle VM Server for x86	3.2, 3.3
ServiceNow	Dublin, Eureka, Fuji, Geneva Patch 5 & Helsinki
Symantec IT Management Suite (Altiris)	6.5, 7.1, 7.5

VMware vSphere
    vCenter
    ESX / ESXi
	
	2.0 to 6.1
	2.0 to 6.1
	Note remote inventory is not possible on the free license versions of ESXi

Inventory components

The following table lists the versions of the FlexNet Beacon and FlexNet inventory agent that can be managed by FlexNet Manager Suite 2016 R1 SP1.

Component	Compatible versions
FlexNet Beacon	2014 to 2016 R1 SP1 Please refer to compatibility with Citrix below
FlexNet inventory agent (Windows) **FlexNet inventory agent (Linux)** **FlexNet inventory agent (Solaris)** **FlexNet inventory agent (Mac OS X)** **FlexNet inventory agent (AIX)** **FlexNet inventory agent (HP-UX)**	8.4 to 9.2 and 2014 to 2016 R1 *Note:* Earlier versions are compatible in that they receive default policy and collect inventory on schedule. They cannot support more recent agent functionality, such as: • Control of usage tracking through UI settings (rather than .ini files and registry controls), from 2014 (R1) • Settings targeted by IP addresses, from 2014 (R1) • CAL inventory, from 2016 R1.
Citrix XenApp server agent	2014 R3 to 2016 R1 SP1

Compatibility of FlexNet Beacon with Citrix XenApp

Gathering Citrix XenApp inventory is not supported with a FlexNet Beacon version 2014 when reporting to FlexNet Manager Suite 2016 R1 SP1. In this case, FlexNet Beacon must be upgraded to version 2014 R2 or later.

Compatibility of FlexNet Beacon with Microsoft CAL inventory

Gathering Microsoft CAL inventory requires a FlexNet Beacon version 2016 R1 SP1 when reporting to FlexNet Manager Suite 2016 R1 SP1.

FlexNet Report Designer compatibility

The following versions of FlexNet Report Designer are compatible with FlexNet Manager Suite 2016 R1.

Component	Compatible versions
FlexNet Report Designer	2016 R1

Known Issues

A list of known issues for the FlexNet Manager Suite 2016 R1 SP1 release is available from the Flexera Software support site at the time of release. Please refer to Knowledge Base article Known Issues for FlexNet Manager Suite 2016 R1 SP1 for details.

Other Resources and Links

Documentation

Documentation for FlexNet Manager Suite 2016 R1 SP1 is provided as online help. From the web user interface, click the question mark icon to launch the help. Additional PDF documents are available from the title page of the online help. Note that both the online help and the additional PDF documents are customized for their different contexts, so that appropriate differences exist between the on-premises and cloud versions of all documentation. On-premises customers can also access the additional PDF files from the Documentation Center.

For installation and upgrade documentation, please refer to the section in this document called Installation and Upgrade Procedures.

More Information

Flexera Software website	Information about Flexera Software http://www.flexerasoftware.com
Support	Support website, including the knowledge base https://flexeracommunity.force.com/customer
Product downloads	Flexera Software Product and License Center https://flexera.flexnetoperations.com/flexnet/operationsportal/startPage.do
Email sign-up for product announcements	For notification of FlexNet Manager Suite software updates, including hot fixes http://learn.flexerasoftware.com/SLO-FMS-Software-Content-Library-Updates